

TRANSLATION**PATENT COOPERATION TREATY****PCT****INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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| Applicant's or agent's file reference 0000055486 | FOR FURTHER ACTION | See Form PCT/IPEA/416 |
| International application No. PCT/EP2005/003213 | International filing date (day/month/year) 26.03.2005 | Priority date (day/month/year) 30.03.2004 |
| International Patent Classification (IPC) or national classification and IPC A01N43/90 | | |
| Applicant BASF Aktiengesellschaft | | |

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|---|
| 1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. |
| 2. This REPORT consists of a total of _____ sheets, including this cover sheet. |
| 3. This report is also accompanied by ANNEXES, comprising: a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>2</u> sheets, as follows: <input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions). |
| 4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input checked="" type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application |

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|---|-----------------------------------|
| Date of submission of the demand | Date of completion of this report |
| Name and mailing address of the IPEA/EP | Authorized officer |
| Facsimile No. | Telephone No. |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/003213

Box No. I

Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____ which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-23 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1-12 _____ received by this Authority on 27.02.2006 with
- nos.* _____ received by this Authority on telefax
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/003213

| Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | |
|--|---|------|-----|
| 1. Statement | | | |
| Novelty (N) | Claims | 1-12 | YES |
| | Claims | - | NO |
| Inventive step (IS) | Claims | 1-12 | YES |
| | Claims | - | NO |
| Industrial applicability (IA) | Claims | 1-12 | YES |
| | Claims | - | NO |
| 2. Citations and explanations (Rule 70.7) | | | |
| <p>The sequence of the documents (D) used in the search report is also used in this opinion.</p> | | | |
| 1. Modifications (PCT Article 34(2)(b)) | | | |
| <p>The subject matter of claims 1-12 is supported by the application as filed (see page 4, lines 36-40 and claims 1-13).</p> | | | |
| <p>The requirements of PCT Article 34(2)(b) are therefore met.</p> | | | |
| 2. Novelty (PCT Article 33(2)) | | | |
| <p>None of the documents cited in the international search report discloses a ternary fungicidal mixture which comprises a triazolopyrimidine derivative of the formula I, pyraclostrobin (II.1) or orysastrobin (II.2) and an active substance III. The subject matter of claims 1-12 is therefore novel within the meaning of PCT Article 33(2).</p> | | | |
| 3. Inventive step (PCT Article 33(3)) | | | |
| <p>Documents D3-D8 disclose that pyraclostrobin or orysastrobin shows a synergistic fungicidal activity with agrochemical active substances, for example</p> | | | |

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability:
citations and explanations supporting such statement

tricyclazole. However, it cannot be seen from these documents that a ternary combination which comprises a triazolopyrimidine derivative of the formula I, pyraclostrobin (II.1) or orysastrobin (II.2) and an azole derivative III as defined in claim 1 has such a synergistic fungicidal activity.

The *examples* demonstrate that mixtures of I, II.1 and an active substance selected from among the group consisting of epoxiconazole, metconazole and prochloraz, and a mixture of I, II.2 and epoxiconazole have an improved fungicidal activity in comparison with the calculated efficacy of, firstly, mixtures of I and II.1 or II.2 and, secondly, an active substance selected from among the abovementioned group.

The subject matter of the present application is therefore considered to be inventive.

- 3. Industrial applicability (PCT Article 33(4))**
is acknowledged.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2005/003213

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

| Application No. Patent No. | Publication date (day/month/year) | Filing date (day/month/year) | Priority date (valid claim) (day/month/year) |
|-------------------------------|--------------------------------------|---------------------------------|---|
| WO 2004/045289 (D1) | 03.06.2004 | 14.11.2003 | 15.11.2002 |
| WO 2004/045283 (D2) | 03.06.2004 | 14.11.2003 | 15.11.2002 |

2. Non-written disclosures (Rule 70.9)

| Kind of non-written disclosure | Date of non-written disclosure (day/month/year) | Date of written disclosure referring to non-written disclosure (day/month/year) |
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